

IN THE CLAIMS:

Please substitute the attached Listing of Claims for all prior claims of record.

Listing of Claims

Claims 1-19 (Cancelled).

20. (Currently Amended) An adjustable bed, comprising:
an adjustable mattress;
an actuator for adjusting the position of the mattress;
an enclosed bed frame for supporting the adjustable mattress; and
~~a detection system~~ means for detecting the presence of a human or animal inside the enclosed bed frame and beneath the adjustable mattress.
21. (Currently Amended) The adjustable bed according to claim 20, ~~wherein at least two including second detection systems are mounted on the frame, at least one at each end of the frame~~ means for detecting the presence of a human or animal inside the enclosed bed frame.
22. (Currently Amended) The adjustable bed according to claim 20, wherein the detection ~~system comprise~~ means includes a pyroelectric sensor and a light source with a frenal lens.

23. (Currently Amended) The adjustable bed according to claim 22, wherein the detection ~~system further comprises~~ means includes an enclosure for limiting the visibility of the sensor in the vertical plane.

24. (Currently Amended) The adjustable bed according to claim 20, wherein the detection ~~system~~ means detects the presence of a human or animal by detecting an ambient temperature change inside the enclosed frame.

25. (New) The adjustable bed according to claim 20 including a universal junction box for controlling the operations of the adjustable bed, said universal junction box including a microprocessor and control logic for driving a plurality of motors based on received command signals to adjust a position of the adjustable bed, a universal power supply for receiving power from a source and converting the power to appropriate voltage levels to power the microprocessor and control logic and motors, and the universal power supply has automatic sensing for sensing the voltage of the source.

26. (New) The adjustable bed according to claim 25, wherein the universal power supply accepts voltages from the source between approximately 90 V and 260 V.

27. (New) The adjustable bed according to claim 25 including connection means for connecting two universal junction boxes together so that the two universal junction boxes operate in a master/slave configuration.

28. (New) The adjustable bed according to claim 25 including a flash memory for receiving and storing operational software for said universal junction box from an external source.

29. (New) The adjustable bed according to claim 25 including connection means for connecting the universal junction box to said detection system.

30. (New) The adjustable bed according to claim 29 including another means mounted on the frame for detecting the presence of a human or an animal inside the enclosed bed frame, and said detecting means are located at least one at each end of the frame.

31. (New) The adjustable bed according to claim 29, wherein the detecting means includes a pyroelectric sensor and a light source with a fresnel lens.

32. (New) The adjustable bed according to claim 31, wherein the detecting means further includes an enclosure for limiting the visibility of the sensor in the vertical plane.

33. (New) The adjustable bed according to claim 29 wherein the detecting means detects the presence of a human or animal by detecting an ambient temperature change inside the enclosed frame.

34. (New) The adjustable bed according to claim 20 including a universal junction box for controlling the operations of the adjustable bed, said universal junction box including a microprocessor and control logic for driving a plurality of motors based on received command signals, a programmable RF receiver for receiving command signals from a remote control, and the RF receiver recognizes any remote operating in a predetermined frequency range.

35. (New) The adjustable bed according to claim 34, wherein the frequency range is between 418 MHz and 433 MHz.

36. (New) The adjustable bed according to claim 34, wherein the universal junction box determines the operating frequency of a remote when a button on the remote is activated.

37. (New) The adjustable bed according to claim 34 including connection means for connecting two universal junction boxes together so that the two universal junction boxes operate in a master/slave configuration.

38. (New) The adjustable bed according to claim 34 including a flash memory for receiving and storing operational software for said universal junction box from an external source.

39. (New) The adjustable bed according to claim 34 including connection means for connecting the universal junction box to said detection means.

40. (New) The adjustable bed according to claim 39, wherein at least two detection means for detecting the presence of a human or animal inside the enclosed bed frame.

41. (New) The adjustable bed according to claim 39, wherein the detecting means includes a pyroelectric sensor and a light source with a fresnel lens.

42. (New) The adjustable bed according to claim 41, wherein the detecting means includes an enclosure for limiting the visibility of the sensor in the vertical plane.

43. (New) The adjustable bed according to claim 39, wherein the detecting means detects the presence of a human or animal by detecting an ambient temperature change inside the enclosed frame.

44. (New) An adjustable bed comprising a substantially peripherally enclosed chamber, a mattress , means for moving the mattress between a first position closing-off access and egress relative to said enclosed chamber and a second position providing access and egress relative to said enclosed chamber, and means for detecting the presence of a human or animal inside said enclosed chamber and beneath the adjustable mattress.

45. (New) The adjustable bed as defined in claim 44 including additional means for detecting the presence of a human or animal inside said enclosed chamber.

46. (New) The adjustable bed as defined in claim 44 including additional means for detecting the presence of a human or animal inside said enclosed chamber, and said first-mentioned and additional detecting means are constructed and arranged to detect the presence of a human or animal substantially anywhere inside said enclosed chamber.

47. (New) The adjustable bed as defined in claim 44 including means for preventing said moving means from moving said mattress from said second position to said first position.

48. (New) The adjustable bed as defined in claim 44 including means for preventing said moving means from moving said mattress from said second position to said first position, and said first-mentioned and additional detecting means are located at different chamber portions of said enclosed chamber.

49. (New) The adjustable bed as defined in claim 44 including means for preventing said moving means from moving said mattress from said second position to said first position, and said first-mentioned and additional detecting means are located at opposite ends of said enclosed chamber.

50. (New) The adjustable bed as defined in claim 45 including means responsive to at least one of said first-mentioned and additional detecting means for preventing said moving means from moving said mattress from said second position to said first position.

51. (New) The adjustable bed as defined in claim 45 including means responsive to said first-mentioned and additional detecting means for preventing said moving means from moving said mattress from said second position to said first position.